SUSHMITHA

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EDUCATION

Sahyadri College of Engineering and Management   Mangaluru, Karnataka
Bachelor of Engineering (CGPA: 9.33) (Sem I–VI)   *2022 – Present*

PROJECTS

ChatBot   *2024*   GitHub

- Developed an AI Chatbot with a Full-Stack Web Interface that integrates a machine learning model for intent recognition with a large language model (LLM) for natural, human-like conversations.
- The project involved building a Flask-based backend and a responsive frontend using HTML, CSS, and JavaScript, ensuring seamless interaction between users and the AI system.
- Key features include hybrid response handling (rule-based + LLM), intent recognition, real-time communication, and a scalable architecture for future enhancements.
- *Tech:* Flask, HTML, CSS, JavaScript, Machine Learning (Intent Recognition), Large Language Models (LLMs), Full-Stack Development

SkillSync AI – Intelligent Task Allocation System   *2024*   GitHub

- Designed and developed a standalone AI-powered task allocation system to optimize workforce productivity through real-time, precision-driven task assignments.
- Integrated machine learning models, project management platforms, and communication systems with AI Foundry services to enable predictive analytics and data-driven insights.
- Delivered seamless collaboration, dynamic task distribution, and improved efficiency across teams.
- *Tech:* ReactJS, Node.js, Flask, MongoDB, Bootstrap, Axios, Postman, Flask-CORS, scikit-learn, Pandas, Google Generative AI, Python-dotenv.

Blockchain-Based Evidence Tracker   *2024*   GitHub

- Engineered a chain-of-custody system on **Hyperledger Fabric** with custom chaincode for immutable, auditable evidence management.
- Shipped a user-friendly web app with **React** frontend and **Node.js** backend for secure role-based interactions.
- *Tech:* Hyperledger Fabric, Chaincode, Node.js, React, JavaScript.

SKILLS

- **Languages:** HTML, CSS, JavaScript, C, Python, SQL
- **Frameworks/Libraries:** React, Node.js, TensorFlow, Keras, scikit-learn, NumPy, Pandas, SciPy, OpenCV
- **Databases/Platforms:** MySQL, MongoDB, Firebase, AWS
- **Tools:** Git, GitHub, VS Code, Google Colab, Docker, REST APIs
- **Soft Skills:** Communication, Teamwork, Time Management, Problem Solving

LEADERSHIP & VOLUNTEERING

Internship Mentor — Coding Key   *2024*

- Guided interns through project planning, code reviews, and iterative feedback to improve learning outcomes.

Smart India Hackathon (SIH) 2024 — Volunteer   *2024*

- Supported event logistics and coordination with participating teams and mentors for smooth national-level execution.

IEEE Cosmic Event — Student Volunteer   *2024*

- Managed documentation and on-stage coordination to enable a professional, seamless event experience.